

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A portable electronics input device for controlling electronic equipments equipment, comprising:

a body having an interior portion containing electronics that are configured to perform a wireless communication, ~~said wireless communication being~~ including at least one of a mobile telephone communication and a television remote controller communication; and

bioindex detecting means for detecting ~~a bioindex of a user through a skin of the user, the bioindex includes a pulse wave, the bioindex detecting means includes pulse wave detecting means for detecting the pulse wave of the user, the bioindex detecting means~~ provided located at a rear facing portion opposite to a front facing portion of ~~[[the]]~~ a casing of the body, the front facing portion including a display screen, ; bioindex analyzing means for analyzing bioindex which has been detected by the bioindex detecting means; and selector means for selecting at least one bioindex information from bioindex information which have been detected by the plural bioindex detecting means, wherein the bioindex analyzing means serves to analyze bioindex information which has been selected by the selector means;

said ~~surface~~ casing of said body including a first sensor on a first side of said body and a second sensor on a second side of said body, said first sensor and said second sensor positioned to be in contact with a hand ~~of the user when performing~~ during the wireless communication, ~~wherein an outer casing~~

the rear facing portion of the body ~~includes~~ including a detecting portion comprising
a finger holding cover having an internal surface shape curved ~~[[so as]]~~ to take substantially the same shape as a finger tip shape ~~of the user, and~~
a finger tip insertion portion formed between the finger holding cover and the ~~outer casing~~ rear facing portion, and

~~the input device is provided at an operation input unit of any one of the~~ electronic equipments equipment including any one of a ~~including~~ personal computer, a television image receiver, a video and/or audio signal recording and/or reproducing device, and an air conditioner ~~to control said electronic equipments.~~

2. (Currently Amended) The input device according to claim 1, wherein the bioindex ~~[[is]]~~ detecting means detects at least one of a sweating, a heartbeat, a Galvanic Skin Reflex, a Galvanic Skin Response, a MV (Micro Vibration), a myoelectric potential, and a SPO2 (blood oxygen saturation level), ~~and combination of these bioindices.~~

3. (Currently Amended) The input device according to claim 1, wherein the bioindex detecting means ~~includes detecting means for detecting~~ detects a Galvanic Skin Reflex or a Galvanic Skin Response between two predetermined ~~[[two]]~~ points of a palm of ~~[[one]]~~ the hand ~~of the user.~~

4. (Canceled)

5. (Currently Amended) The input device according to claim 1, wherein the bioindex detecting means ~~includes temperature detecting means for detecting~~ detects a body temperature ~~of the user.~~

6. (Currently Amended) The input device according to claim 5, wherein the ~~temperature~~ bioindex detecting means includes ~~composed of~~

finger tip temperature detecting means for detecting a finger tip temperature, provided at a position with which a finger tip comes into contact when the finger tip temperature detecting means is grasped by a finger ~~of the user~~, and

palm temperature detecting means, provided at a position with which a palm ~~of the user~~ comes into contact, ~~[[and]]~~ for detecting a palm temperature.

7. (Canceled)

8. (Currently Amended) The input device according to claim ~~[[1]]~~ 42, wherein the selection selector means ~~serves to compare~~ compares signal-to-noise ratios of output values ~~which have been~~ detected by the ~~plural~~ bioindex detecting means to select an output value having ~~value of~~ a higher signal-to-noise ratio.

9. (Currently Amended) The input device according to claim ~~[[1]]~~ 42, wherein the ~~selector~~ selection means ~~serves to compare~~ compares detection levels of output values ~~which have been~~ detected by the ~~plural~~ bioindex detecting means to select an output value having a higher detection level.

10. (Currently Amended) The input device according to claim ~~[[1]]~~ 42, wherein the ~~selector~~ selection means ~~serves to compare~~ compares auto-correlation functions of output values ~~which have been~~ detected by the ~~plural~~ bioindex detecting means to select an output value in which a correlation has been taken to ~~[[more]]~~ a higher degree.

11. (Currently Amended) The input device according to claim [[1]] 42, wherein the ~~selector~~ selection means ~~serves to select~~ selects one output from outputs from the bioindex detecting means.

12. (Currently Amended) The input device according to claim [[1]] 42, wherein the ~~selector~~ selection means selects ~~serves to select~~, as an output value, a value which has been detected substantially as the same value as another value at the ~~plural~~ bioindex detecting means.

13. (Currently Amended) The input device according to claim [[1]] 42, wherein the ~~selector~~ selection means selects ~~serves to select~~, as an output value, an average value obtained by averaging values detected at the ~~respective~~ bioindex detecting means.

14. (Currently Amended) The input device according to claim 1, wherein the ~~respective plural~~ bioindex detecting means [[are]] includes a plurality of similar bioindex detecting means for detecting [[the]] a same bioindex.

15. (Currently Amended) The input device according to claim 1, wherein the ~~respective plural~~ bioindex detecting means [[are]] includes different kinds of bioindex detecting means for detecting [[the]] a same bioindex by different techniques.

16. (Currently Amended) The input device according to claim 1, wherein the ~~respective plural~~ bioindex detecting means [[are]] includes different kinds of bioindex detecting means for detecting different bioindices.

17-18. (Canceled)

19. (Currently Amended) The input device according to claim 1, wherein the bioindex detecting means is hand-held during a control at any one of machines to be controlled including an automotive vehicle, a train, an airplane, a ship, and an industrial machinery.

20. (Currently Amended) An input method for a portable electronics input device for controlling electronic ~~equipments~~ equipment, the method comprising:

contacting with a body of a portable electronics device, ~~with a hand of a user~~, said body having an interior portion containing electronics that are configured to perform a wireless communication, ~~said wireless communication being~~ including at least one of a mobile telephone communication and a remote controller communication; and

~~a bioindex detection step of detecting, by bioindex detecting means, provided within a region including a holding position of a surface of a body that a user holds while performing said wireless communication, a bioindex of the user through a skin of the user for a time period during which the user holds the body to be operated, the bioindex includes a pulse wave, the bioindex detecting means includes pulse wave detecting means for detecting the pulse wave of the user, the bioindex detecting means provided~~ located at a rear facing portion opposite to a front facing portion of ~~[[the]]~~ a casing of the body, the front facing portion including a display screen, ; ~~a bioindex analysis step of analyzing with a processor bioindex which has been detected at the bioindex detection step; a selecting step of selecting at least one bioindex information from bioindex information which have been detected by the plural bioindex detecting means, wherein the bioindex analyzing means serves to analyze bioindex~~

~~information which has been selected by the selector means; and providing the input device at an operation input unit of any one of~~

~~the electronic equipments~~ equipment including any one of a personal computer, a television image receiver, a video and/or audio signal recording and/or reproducing device, and an air conditioner ~~to control said electronic equipments, wherein~~

said ~~surface~~ casing of said body including a first sensor on a first side of said body and a second sensor on a second side of said body, said first sensor and said second sensor positioned to be in contact with ~~[[a]] the hand of the user when performing~~ during the wireless communication, ~~an outer casing~~

the rear facing portion of said body ~~includes~~ including a detecting portion comprising a finger holding cover having an internal surface shape curved ~~[[so as]]~~ to take substantially the same shape as a finger tip shape of the user, and

a finger tip insertion portion formed between the finger holding cover and the ~~outer casing rear facing portion~~, the finger holding cover and the finger tip insertion portion detecting the pulse wave ~~of the user~~.

21. (Currently Amended) The input method according to claim 20, further comprising:

detecting ~~wherein the bioindex~~ is at least one of a sweating, a heartbeat, a skin temperature, a Galvanic Skin Reflex, a Galvanic Skin Response, a MV (Micro Vibration), a myoelectric potential, and a SPO2 (blood oxygen saturation level); ~~or combination of these bioindices.~~

22. (Currently Amended) The input method according to claim 20, wherein the ~~bioindex detection step~~ detecting consists of detecting plural bioindex detections ~~detection~~ steps, and

the input method further comprises including:

~~a selection step~~ of selecting at least one bioindex information from bioindex information ~~which have been~~ detected at the detecting plural bioindex detections ~~detection~~ steps; and

~~a bioindex analysis step~~ of analyzing the at least one bioindex information ~~which has been~~ selected at the selecting ~~selection step~~.

23. (Currently Amended) The input method according to claim 22, wherein the ~~respective~~ plural bioindex ~~detection steps~~ detections detect the same bioindex.

24. (Currently Amended) The input method according to claim 22, wherein the ~~respective~~ plural bioindex ~~detection steps~~ detections detect the same bioindex by different techniques.

25. (Currently Amended) The input method according to claim 22, wherein the ~~respective~~ plural bioindex ~~detection steps~~ detections detect different bioindices.

26. (Currently Amended) A ~~portable~~ electronic equipment including an input unit for controlling electronic ~~equipments~~ equipment, the input unit comprising:

a body having an interior portion containing electronics that are configured to perform a wireless communication, ~~said wireless communication being including~~ at least one of a mobile telephone communication and a remote controller communication;

bioindex detecting means ~~provided within a region including a holding position of a surface of the body, with which a finger of a user comes into contact when the user is grasping the body while performing said wireless communication, and for detecting a bioindex of the user through a skin of the user for a time period during which the user grasps the body, the bioindex includes a pulse wave, the bioindex detecting means includes pulse wave detecting means for detecting the pulse wave of the user, the bioindex detecting means provided~~ located at a rear facing portion opposite to a front facing portion of ~~[[the]]~~ a casing of the body, the front facing portion including a display means, ~~;~~ ~~bioindex analyzing means for analyzing bioindex which has been detected by the bioindex detecting means; and selector means for selecting at least one bioindex information from bioindex information which have been detected by the plural bioindex detecting means, wherein the bioindex analyzing means serves to analyze bioindex information which has been selected by the selector means;~~

said surface casing of said body including a first sensor on a first side of said body and a second sensor on a second side of said body, said first sensor and said second sensor positioned to be in contact with a hand ~~of the user when performing~~ during the wireless communication,

~~wherein the input unit of the portable electronic equipment is provided at an operation input unit of any one of the electronic equipments~~ equipment including any one of a personal computer, a television image receiver, a video and/or audio signal recording and/or reproducing device, and an air conditioner ~~to control said electronic equipments, and~~

a detection portion comprising a finger holding cover having an internal surface shape curved ~~so as to take substantially the same shape as a~~ a finger tip shape ~~of the user,~~ and a finger tip insertion portion formed between the finger holding cover and the rear facing of the casing, ~~is provided~~ located at the rear facing portion ~~[[side]]~~ of the casing of the body.

27. (Currently Amended) The electronic equipment according to claim 26, wherein the bioindex ~~[[is]]~~ detecting means detects at least one of a sweating, a heartbeat, a skin temperature, a Galvanic Skin Reflex, a Galvanic Skin Response, a MV (Micro Vibration), a myoelectric potential, and a SPO2 (blood oxygen saturation level), ~~and combination of these bioindices.~~

28. (Currently Amended) The electronic equipment according to claim 26, wherein the bioindex detecting means ~~includes detecting means for detecting~~ detects a Galvanic Skin Reflex or a Galvanic Skin Response between two predetermined ~~[[two]]~~ points of a palm of ~~[[one]]~~ the hand ~~of the user.~~

29. (Currently Amended) The electronic equipment according to claim 28, wherein ~~the display means for displaying~~ displays a guide display for an operation and information is ~~provided at the front face portion of a casing,~~ the bioindex detecting means ~~being provided~~ located at ~~[[the]]~~ a side surface portion of the casing.

30. (Currently Amended) The electronic equipment according to claim 28, comprising:

operation means for an operation input, ~~wherein~~ the bioindex detecting means is ~~provided~~ located at a position with which a finger ~~of the user~~ comes into contact ~~of the~~ with a surface of the operation means.

31. (Currently Amended) The electronic equipment according to claim 28, wherein the bioindex detecting means is provided at ~~[[the]]~~ a corner portion of the casing.

32. (Canceled)

33. (Currently Amended) The electronic equipment according to claim 28, wherein ~~the display means for displaying~~ displays a guide display for an operation and information is ~~provided at the front facing portion of the casing.~~

34. (Currently Amended) The electronic equipment according to claim 33, wherein light emitting means are provided at ~~[[the]]~~ an inner surface of the finger holding cover, light receiving means as the ~~pulse wave~~ bioindex detecting means ~~being provided~~ located at the rear facing portion of the casing opposite to the light emitting means.

35. (Currently Amended) The electronic equipment according to claim 26, wherein the bioindex detecting means ~~includes temperature detecting means for detecting~~ detects a body temperature ~~of the user.~~

36. (Currently Amended) The electronic equipment according to claim 35, wherein the ~~temperature~~ bioindex detecting means is composed of

finger tip temperature detecting means, provided at a position with which a finger comes into contact when the ~~temperature~~ bioindex detecting means is grasped by the finger, ~~of the user and~~ for detecting a finger tip temperature, and

palm temperature detecting means, provided at a position with which a palm ~~of the user~~ comes into contact, ~~[[and]]~~ for detecting a palm temperature.

37. (Currently Amended) The electronic equipment according to claim 36, ~~comprising: wherein the display means serving to display~~ displays a guide display for an

operation and information ~~at an outer casing front face portion, the bioindex wherein one of~~
~~the temperature~~ detecting means ~~is provided~~ located at ~~[[the]]~~ a side surface portion with
respect to the front facing ~~outer casing front face~~ portion.

38. (Currently Amended) The electronic equipment according to claim 36, further
comprising:

operation means, ~~wherein~~ the finger tip temperature detecting means ~~is provided~~
located at a position with which a finger ~~of user~~ comes into contact ~~of the~~ with a surface of
the operation means.

39. (Currently Amended) The electronic equipment according to claim 36, wherein
the palm temperature detecting means is provided at ~~[[the]]~~ a corner portion of ~~[[the]]~~ an
outer peripheral surface side of the casing.

40. (Previously Presented) The electronic equipment according to claim 36, wherein
the finger tip temperature detecting means is provided at the rear facing portion of the casing.

41. (Canceled)

42. (New) The input device according to claim 1, further comprising:

bioindex analyzing means for analyzing bioindex information detected by the
bioindex detecting means; and

selection means for selecting bioindex information from the bioindex information
detected by the bioindex detecting means, the bioindex means analyzing bioindex
information selected by the selection means.